counting number of bits

public class MyClass {

public static void main(String args[])

{

int x=10;

int count=0;

while(x>0) #10 - 1010

{ # 1010

if((x&1)>0) #0001 - if it is zero then print count, else right sift the number

{ increase the counter till we get zero

count++;

}

x=x>>1;

}

System.out.println("counting number of bits (1s) " + count);

}

}

2nd method

public class Solution {

// you need to treat n as an unsigned value

public int hammingWeight(int n)

{

int count=0;

while(n!=0)

{

count++;

n=n&(n-1);

}

return count;

}

}